ABSTRACT

An improved vane for axial vane rotary devices such as pumps, compressors and expanders comprising at least two independent sections, each vane section being independently movable with respect to said other sections improve sealing between said vane and a wall of said chamber. Each section of the vanes are independently movable with respect to the other sections and during operation the vane sections are moved into contact with a wall surface of the stator chamber to improve sealing and reduce leakage of pressurized fluid between the vane and a wall of the chamber.